DRAWING LIST

No.	TITLE
SW(S4.55) 1.1	COVER SHEET
SW(S4.55) 1.2	GENERAL NOTES AND SPECIFICATIONS
SW(S4.55) 1.3	EROSION AND SEDIMENT CONTROL PLAN & DETAILS
SW(S4.55) 1.4	SITE PLAN
SW(S4.55) 1.5	SITE & STUDIO GROUND FLOOR PLAN
SW(S4.55) 1.6	LEVEL 1 BUILDING FLOOR PLAN
SW(S4.55) 1.7	LEVEL 2 BUILDING FLOOR PLAN
SW(S4.55) 1.8	LEVEL 3 BUILDING FLOOR PLAN
SW(S4.55) 1.9	LEVEL 4 & ROOF PLAN
SW(S4.55) 1.10	DETAILS SHEET

Alterations And Additions
32 Bower Street
Manly
Eaton Molina Architects

Rev.	Issue / Amendment	By	App.	Date
1	ISSUED FOR S 4.55	ES	--	----

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Architect
EATON MOLINA ARCHITECTS

TEL

Project
ALTERATIONS AND ADDITIONS
32 BOWER STREET
MANLY

Title
COVER SHEET

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ES	**JZ**
Job No.	Scale at A1
2023H0200	**N/A**
Date	Drawing No. / Revision
AUG 2024	**SW(S4.55) 1.1** / **1**

NOT FOR CONSTRUCTION

STORMWATER MANAGEMENT PLAN

PARTRIDGE HYDRAULIC SERVICES WERE ENGAGED TO CARRY OUT A STORMWATER MANAGEMENT PLAN FOR THE PROPOSED SITE *32 BOWER STREET, MANLY*. THE BELOW ADDRESSES THE MANAGEMENT OF STORMWATER WITHIN THE PROPOSED SITE BOUNDARIES.

EXISTING SITE DETAILS AND PROPOSED ALTERATIONS

THE SUBJECT SITE IS A NEW SINGLE RESIDENTIAL DEVELOPMENT APPROVED UNDER APPLICATION NO. DA2019_0916 (NORTHERN BEACHES COUNCIL).

TOTAL SITE AREA: 1,859m²

THE PROPOSED SECTION 4.55 APPLICATION IS INTRODUCING MINOR ALTERATIONS TO THE INTERNAL LAYOUT AND LANDSCAPE ASSOCIATED WITH THE SITE.

FOR DETAILS REFER TO THE ARCHITECTURAL PLANS AND SECTION.

EXISTING STORMWATER NETWORK AND DISCHARGE

THE SUBJECT SITE STORMWATER DRAINAGE SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH THE COUNCIL SPECIFICATIONS AND APPROVED RELEVANT CONDITIONS.

NON-TRAFFICABLE ROOF AREAS ARE COLLECTED AND DIRECTED TO NEW RWT (15kL) AND IS TO BE RE-USED FOR IRRIGATION SYSTEM PURPOSES.

THE GREEN ROOF, HARDSTAND AND LANDSCAPE OVERFLOW, TOGETHER WITH THE OVERFLOW FROM RWT, IS COLLECTED VIA DESIGNATED ON-SITE STORMWATER DRAINAGE NETWORK AND DISCHARGE DIRECTLY TO THE COUNCIL STORMWATER DRAINAGE SYSTEM IN ACCORDANCE WITH THE DA APPROVED DESIGN.

NO MAJOR CHANGES TO THE OVERALL HARDSTAND AREAS ARE PROPOSED UNDER SECTION 4.55 APPLICATION.

NO CHANGES TO THE APPROVED SW DRAINAGE SYSTEM ARE PROPOSED UNDER SECTION 4.55 APPLICATION.

FLOODING

THERE ARE NO AVAILABLE HISTORICAL DOCUMENTS OR RECORDS OF FLOODING WITHIN THE PROPOSED SITE.

PROPOSED STORMWATER NETWORK AND DISCHARGE

IT IS PROPOSED TO CONSTRUCT A NEW STORMWATER NETWORK ON THE FOLLOWING PRINCIPLES:

- A NETWORK OF PIPES AND PITS IS PROPOSED TO CONVEY THE RUNOFF FROM THE SITE PRIOR TO DISCHARGING INTO COUNCIL'S EXISTING DRAINAGE SYSTEM.
- IN ACCORDANCE WITH THE BASIX CERTIFICATE 350m² OF ROOF CATCHMENTS IS TO BE DISCHARGED INTO RAINWATER TANK WITH MINIMUM EFFECTIVE VOLUME OF 15kL AND AN OVERFLOW INTO THE ON-SITE STORMWATER SYSTEM. THE RAINWATER IS TO BE USED FOR IRRIGATION.
- AS THE SITE IS LOCATED DOWNSTREAM OF THE CATCHMENT, NO OSD SYSTEM HAS BEEN PROPOSED.
- THE SUBJECT SITE HAS CURRENTLY A SINGLE POINT OF DISCHARGE VIA A 300mm PIPE TO A NEW JUNCTION PIT ALONG MARINE PARADE, MANLY.

STORMWATER QUANTITY MANAGEMENT

NO CHANGES TO THE APPROVED SW DISCHARGE VOLUMES IS PROPOSED UNDER S4.55 APPLICATION.

STORMWATER QUALITY MANAGEMENT

NO CHANGES TO THE APPROVED SW DRAINAGE SYSTEM IS PROPOSED UNDER S4.55 APPLICATION.

OVERLAND FLOW PATHS

IF STORMS HIGHER THAN THE DESIGN STORM OCCUR, THE SITE IS GRADED TO ALLOW AN OVERLAND FLOW PATH TO PROTECT THE BUILDINGS. OVERLAND FLOWS WILL EXIT THE SITE VIA THE LOW POINT OF THE SITE. NO DAMAGE TO THE NEIGHBORING PROPERTIES WILL OCCUR.

COUNCIL DOCUMENTS REFERENCE

THE ABOVE ASSESSMENT HAS BEEN PREPARED AND BASED ON PUBLISHED TOPOGRAPHIC MAPS, PHYSICAL LAND SURVEY, HYDRAULIC AND HYDROLOGICAL CALCULATIONS, AVAILABLE AERIAL PHOTOGRAPHY OF THE SITE AND IN ACCORDANCE WITH RELEVANT AUSTRALIA STANDARDS AND NORTHERN BEACHES DEVELOPMENT CONTROL PLANS BELOW:

- AS 3500 - PLUMBING AND DRAINAGE
- NORTHERN BEACHES COUNCIL - POLICY FOR STORMWATER MANAGEMENT

GENERAL NOTES

1. THIS IS A STORMWATER DRAINAGE PLAN ONLY, REFER TO ARCHITECTURAL DRAWINGS FOR ALL SETOUT INFORMATION.
2. ALL STORMWATER RUNOFF FROM SURFACE, PITS, SUMPS AND UNDERGROUND PIPE NETWORK TO BE COLLECTED VIA ON-SITE DRAINAGE SYSTEM PRIOR TO DISCHARGE FROM THE SITE.
3. ALL PIPES ARE TO BE 100DIA UPVC LAID AT 1.0% MIN GRADE. UPVC PIPES TO BE SOLVENT WELDED JOINTS U.N.O
4. ALL PIPES ARE TO BE PROPRIETARY PRE-CAST ITEMS, COVER LEVELS TO MATCH U.N.O
5. ALL GRATED DRAINS TO HAVE BASE GRADED 1.0% MIN WITH HEAVY DUTY GRATES.
6. IT IS THE BUILDER'S RESPONSIBILITY TO LAY ALL PIPES IN ACCORDANCE WITH ALL RELEVANT AUTHORITY REQUIREMENTS (EG. COUNCIL, EPA, SYDNEY WATER).
7. THE CONTRACTOR SHALL LOCATE EXISTING SERVICES ON SITE PRIOR TO CONSTRUCTION AND SHALL TAKE EXTREME CAUTION DURING CONSTRUCTION.
8. ALL WORKS ARE TO BE UNDERTAKEN IN ACCORDANCE WITH THE LOCAL AUTHORITY'S CIVIL SPECIFICATION AND STANDARDS TO THE SATISFACTION OF THE LOCAL AUTHORITY OR PRIVATE CERTIFYING AUTHORITY'S REPRESENTATIVE. ANY DISCREPANCY, VARIATION OR ADDITIONAL WORKS SHALL BE APPROVED BY THE BUILDER'S REPRESENTATIVE BEFORE COMMENCEMENT OF WORKS.
9. THE LOCAL AUTHORITY OR PRIVATE CERTIFYING AUTHORITY'S INSPECTION OF WORKS SHALL BE NOTIFIED AT LEAST 48 HOURS BEFORE INSPECTOR'S INSPECTION SCHEDULE REQUIREMENTS AND ENSURE THAT EACH IDENTIFIED STAGE OF WORKS IN ACCORDINGLY INSPECTED.
10. THESE DRAWINGS ARE DIAGRAMMATIC REPRESENTATION OF WORKS TO BE CARRIED OUT ONLY AND ARE NOT TO BE SCALED OFF.
11. ALL LEVELS SHALL BE OBTAINED FROM ESTABLISHED BENCH MARKS ONLY. DATUM USED ON THESE DRAWINGS IN AUSTRALIA HEIGHT DATUM (AHD) UNLESS NOTED OTHERWISE.
12. UTILITY INFORMATION SHOWN ON THE PLANS IS NOT INTENDED TO DEPICT MORE THAN THE PRESENCE OF ANY SERVICES. ACTUAL LOCATIONS SHOULD BE VERIFIED BY HAND EXCAVATION PRIOR TO CONSTRUCTION.
13. EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PROVIDED WHERE SHOWN ON THE DRAWINGS, IN ACCORDANCE WITH THE SPECIFICATION AND THE CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN (IF APPLICABLE).

LEGEND

PIPEWORK

RW	RAINWATER DRAINAGE
RW	RAINWATER CHARGED
STW	STORMWATER DRAINAGE
STWRM	STORMWATER RISING MAIN
SS	SUBSOIL DRAINAGE
B	BARRIER FENCE
e	EXISTING PIPE
e X e X	EXISTING PIPE MADE REDUNDANT
	SEDIMENT FENCE LINE
	PROPERTY BOUNDARY
	SWALE
	DROPPER
	RISER
TB	TURBIDITY BARRIER
FALL	DIRECTION OF FALL OR FLOW
	DOWN PIPE
PBO	PLANTER BOX OUTLET
RWO/BO	RAIN WATER OUTLET / BALCONY OUTLET
SWP	STORMWATER PIT (GRATE)
SWP	STORMWATER PIT (RWO IN BASE)
	SEALED PIT COVER
	GULLY PIT
	REFLUX VALVE
	PIPE CONNECTION POINT
	PUMP
	OVERLAND FLOW PATH
CO	CLEAR OUT
TD	TUNDISH
TG	TRENCH GRATE
	DOWNPIPE SPREADER

MISCELLANEOUS

-- / --	SERVICE / SERVICE NUMBER PIPE SIZE
	FOR CONTINUATION REFER DRG No
1 / DWG	FOR SECTION VIEW REFER TO DRAWING

AHD	AUSTRALIAN HEIGHT DATUM
AP	ACCESS PANEL
BG	BOX GUTTER
DP	DOWNPIPE
e	EXISTING
FFL	FINISHED FLOOR LEVEL
GIP	GRATED INLET PIT
HED	HIGH EARLY DISCHARGE
HFB	HIGH FLOW BYPASS
HL	HIGH LEVEL IN CEILING
HP	HIGH POINT
IL	INVERT LEVEL
INT	INTERNAL
KIP	KERB INLET PIT
O/F	OVERFLOW
OSD	ON SITE DETENTION
RHS	RECTANGULAR HOLLOW SECTION
RL	RELATIVE LEVEL
RWH	RAINWATER HEAD
RWT	RAINWATER TANK
SRL	SLAB RELATIVE LEVEL
SRZ	STRUCTURAL ROOT ZONE
TBA	TO BE ADVISED
TKL	TOP KERB LEVEL
TRZ	TREE ROOT ZONE
TWL	TOP WATER LEVEL
UNO	UNLESS NOTED OTHERWISE

LEGEND

PIPEWORK

RW	RAINWATER DRAINAGE
RW	RAINWATER CHARGED
STW	STORMWATER DRAINAGE
STWRM	STORMWATER RISING MAIN
SS	SUBSOIL DRAINAGE
e	EXISTING PIPE
	PROPERTY BOUNDARY
	DROPPER
	RISER
DP	DOWN PIPE
PBO	PLANTER BOX OUTLET
RWO	RAIN WATER OUTLET
SWP	STORMWATER PIT (GRATE)
	SEALED PIT COVER
	OVERLAND FLOW PATH
CO	CLEAR OUT
TD	TUNDISH
TG	TRENCH GRATE
	DOWNPIPE SPREADER

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Project
ALTERATIONS AND ADDITIONS
32 BOWER STREET
MANLY

Title
GENERAL NOTES AND SPECIFICATIONS

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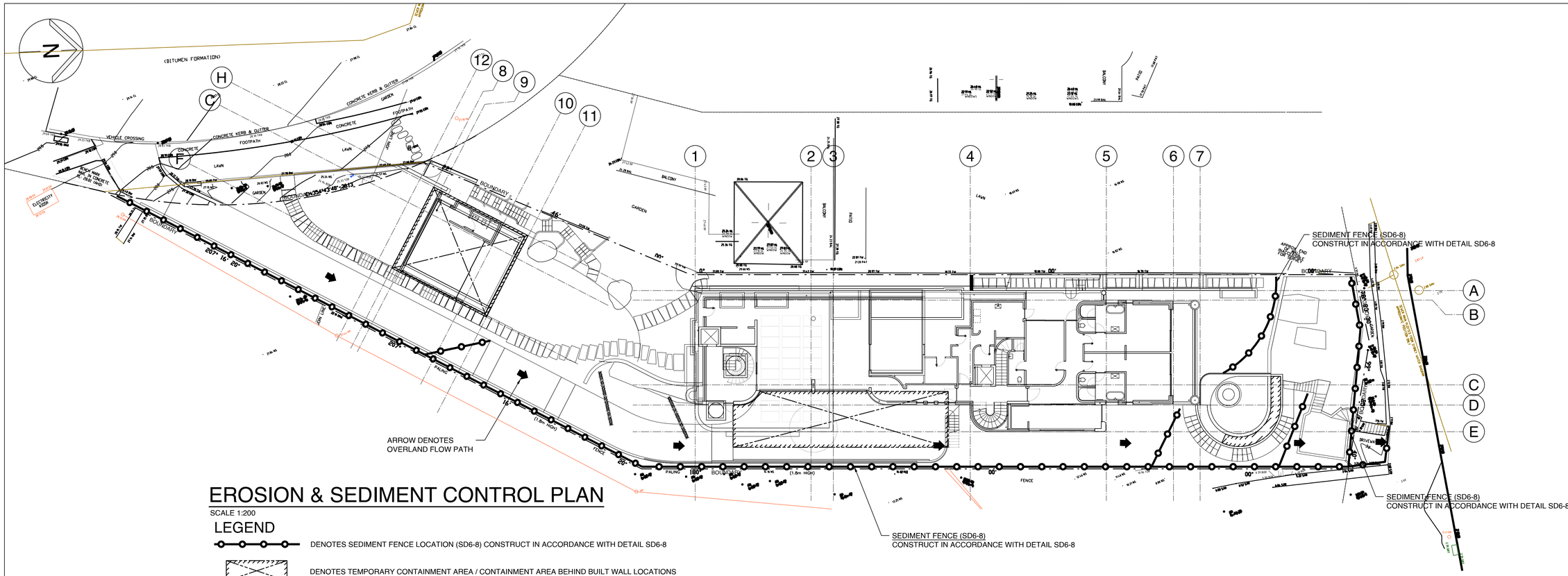
Job No.: 2023H0200	Scale at A1: N/A
Date: AUG 2024	Drawing No.: SW(S4.55) 1.2 Revision: 1

NOT FOR CONSTRUCTION

REFER DRG No S4.2 FOR CONSTRUCTION NOTES



EROSION & SEDIMENT CONTROL PLAN

SCALE 1:200

LEGEND

DENOTES SEDIMENT FENCE LOCATION (SD6-8) CONSTRUCT IN ACCORDANCE WITH DETAIL SD6-8

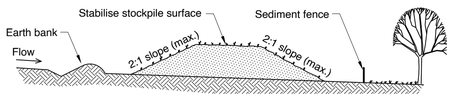
DENOTES TEMPORARY CONTAINMENT AREA / CONTAINMENT AREA BEHIND BUILT WALL LOCATIONS

DENOTES OVERLAND FLOW PATH

DENOTES COIR LOG / SEDIMENT BARRIER LOCATIONS

EROSION & SEDIMENT CONTROL NOTES:

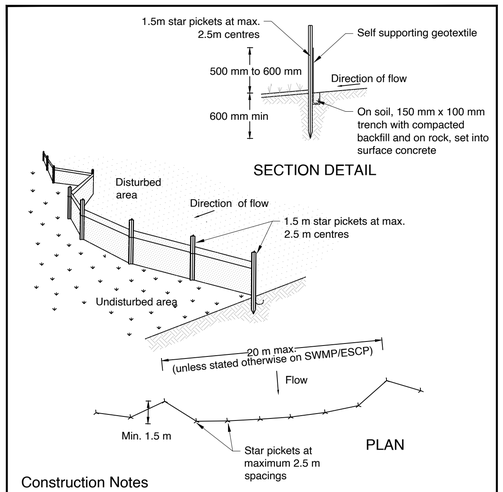
1. Measures provided will be to the satisfaction of the principal's representative in accordance with the local and statutory requirements unless noted otherwise. all works shall be erected and constructed in accordance with the latest editions of the 'blue book'- managing urban stormwater (mus): soils and construction, landcom (vol 1) and deccw (vol 2) and council's development control plan (dcp).
2. All excavation works are to be in accordance with the geotechnical report, if available, and the structural engineer's drawings.
3. Install erosion and sediment control measures prior to commencement of construction works.
4. Mesh and gravel inlet filters (sd 6-12) to be installed upstream of proposed stormwater pits as well as existing stormwater pits downstream of disturbed areas.
5. Top soil will be stripped and stockpiled (sd 4-1) for later use in landscaping.
6. All stockpiles to be clear from drains, gutters and footpaths.
7. Top soil will be re spread and all disturbed areas will be rehabilitated within 20 working days of the completion of works.
8. All sediment to be stored and collected by a liquid waste company for disposal at a licensed treatment facility.
9. Roads and footways to be swept at the end of the day.
10. All erosion and sediment controls will be checked at least weekly and after rainfall events to make sure they are maintained to a fully functional condition.



Construction Notes

1. Place stockpiles more than 2 (preferably 5) metres from existing vegetation, concentrated water flow, roads and hazard areas.
2. Construct on the contour as low, flat, elongated mounds.
3. Where there is sufficient area, topsoil stockpiles shall be less than 2 metres in height.
4. Where they are to be in place for more than 10 days, stabilise following the approved ESCP or SWMP to reduce the C-factor to less than 0.10.
5. Construct earth banks (Standard Drawing 5-5) on the upslope side to divert water around stockpiles and sediment fences (Standard Drawing 6-8) 1 to 2 metres downslope.

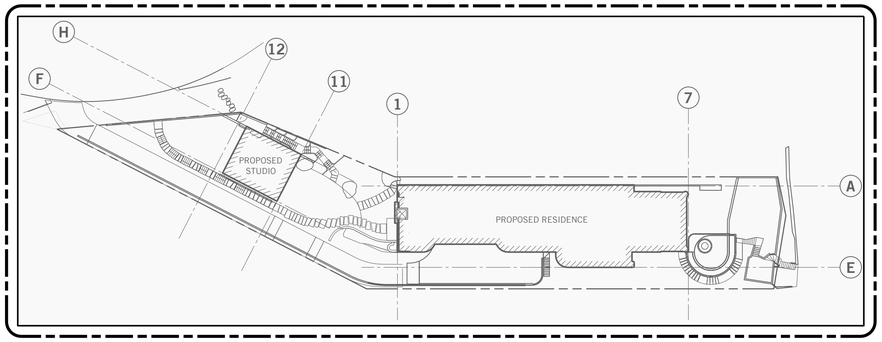
STOCKPILES SD 4-1



Construction Notes

1. Construct sediment fences as close as possible to being parallel to the contours of the site, but with small returns as shown in the drawing to limit the catchment area of any one section. The catchment area should be small enough to limit water flow if concentrated at one point to 50 litres per second in the design storm event, usually the 10-year event.
2. Cut a 150-mm deep trench along the upslope line of the fence for the bottom of the fabric to be entrenched.
3. Drive 1.5 metre long star pickets into ground at 2.5 metre intervals (max) at the downslope edge of the trench. Ensure any star pickets are fitted with safety caps.
4. Fix self-supporting geotextile to the upslope side of the posts ensuring it goes to the base of the trench. Fix the geotextile with wire ties or as recommended by the manufacturer. Only use geotextile specifically produced for sediment fencing. The use of shade cloth for this purpose is not satisfactory.
5. Join sections of fabric at a support post with a 150-mm overlap.
6. Backfill the trench over the base of the fabric and compact it thoroughly over the geotextile.

SEDIMENT FENCE SD 6-8



KEY PLAN

SCALE 1:500

LEGEND

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Project
ALTERATIONS AND ADDITIONS
32 BOWER STREET
MANLY

Title
EROSION & SEDIMENT CONTROL PLAN AND DETAILS

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E.S.	J.Z.
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AUG 2024	SW(S4.55) 1.3 / 1

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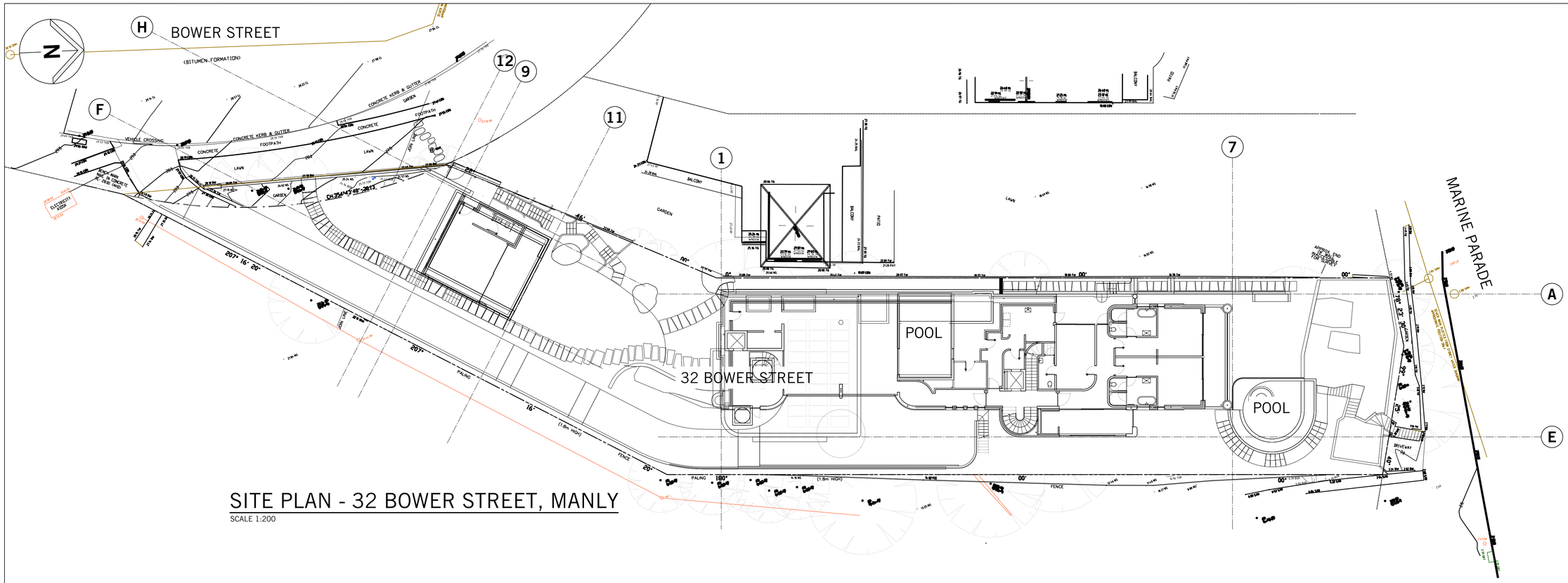
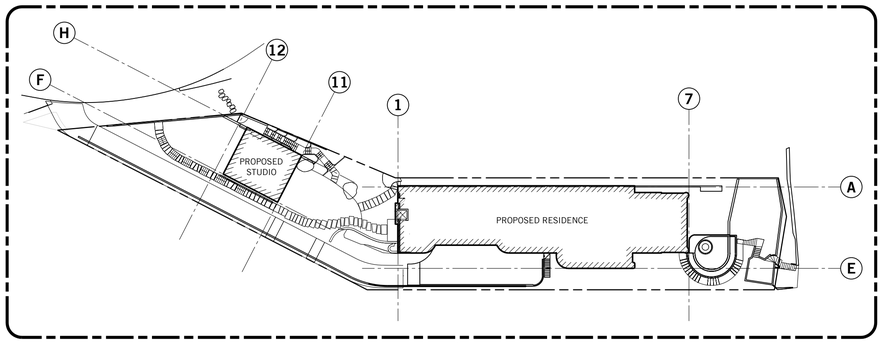


SITE PLAN - 32 BOWER STREET, MANLY

SCALE 1:200



KEY PLAN

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32 BOWER STREET
MANLY

Title
SITE PLAN

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Job No. 2023H0200	Scale at A1 **1:200**
Date **AUG 2024**	Drawing No. **SW(S4.55) 1.4** / Revision **1**

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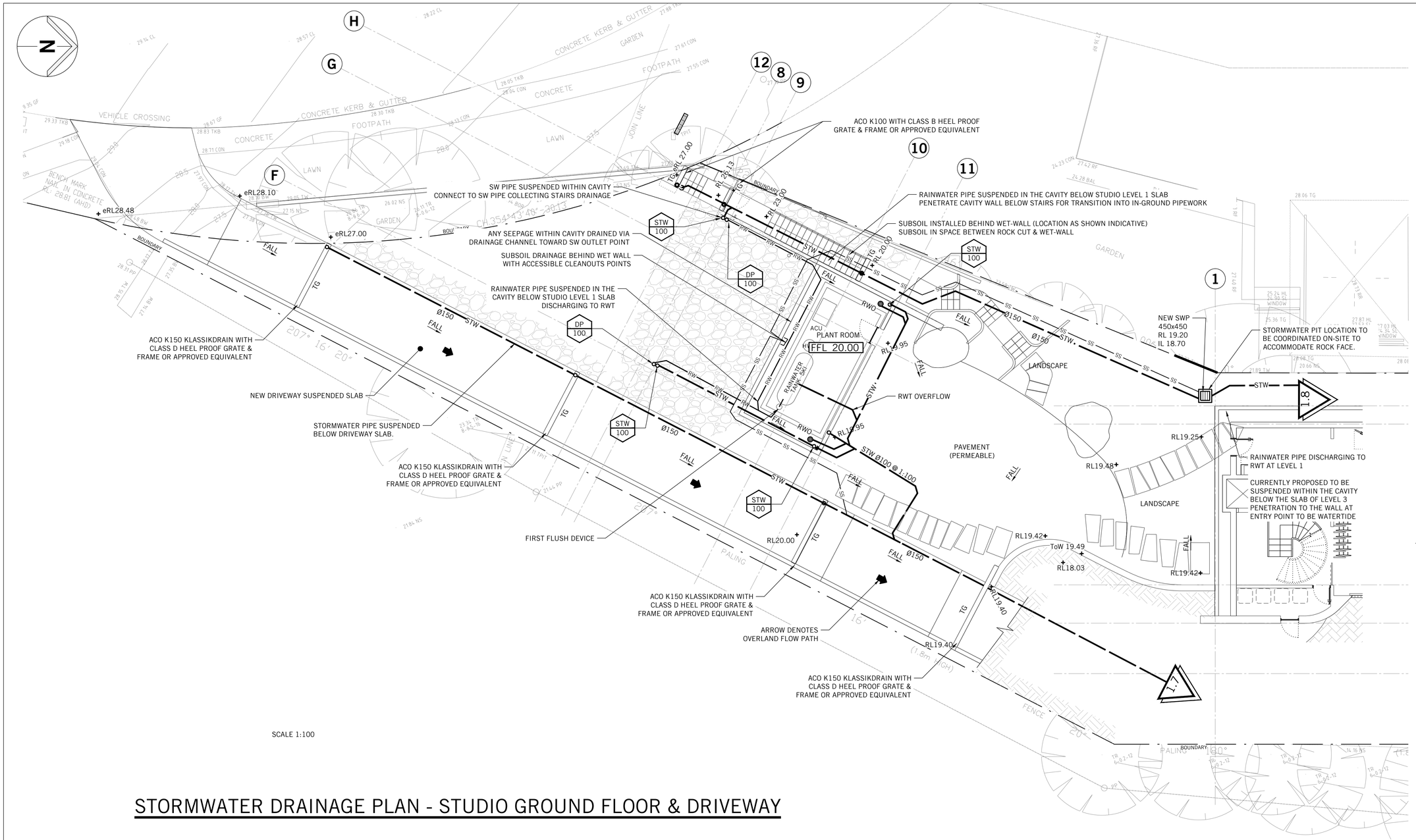
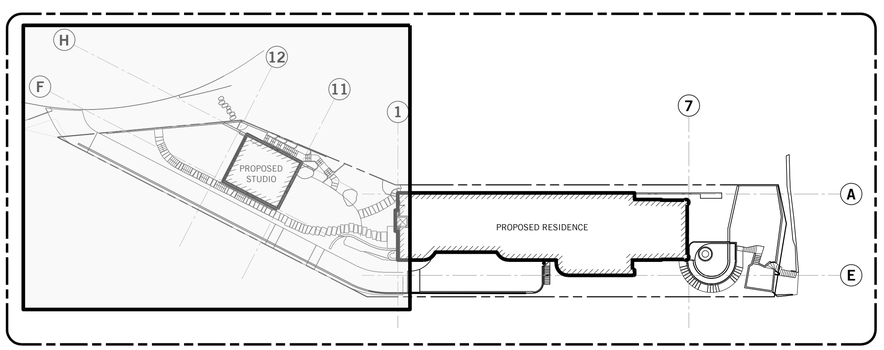


SCALE 1:100

STORMWATER DRAINAGE PLAN - STUDIO GROUND FLOOR & DRIVEWAY



KEY PLAN

SCALE 1:500

LEGEND

PIPEWORK

- RAINWATER DRAINAGE
- RAINWATER CHARGED
- STORMWATER DRAINAGE
- STORMWATER RISING MAIN
- SUBSOIL DRAINAGE
- BARRIER FENCE
- EXISTING PIPE
- EXISTING PIPE MADE REDUNDANT
- SEDIMENT FENCE LINE
- PROPERTY BOUNDARY
- SWALE
- DROPPER
- RISER
- TURBIDITY BARRIER
- DIRECTION OF FALL OR FLOW
- DOWN PIPE
- PBO — PLANTER BOX OUTLET
- RWO/BO — RAIN WATER OUTLET / BALCONY OUTLET
- SWP — STORMWATER PIT (GRATE)
- SWP — STORMWATER PIT (RWO IN BASE)
- SEALED PIT COVER
- GULLY PIT
- REFLUX VALVE
- PIPE CONNECTION POINT
- PUMP
- OVERLAND FLOW PATH
- CO — CLEAR OUT
- TD — TUNDISH
- TG — TRENCH GRATE
- DOWNPIPE SPREADER
- = O/F (A) — OVERFLOW - 150mm x 60mm
- = O/F (B) — OVERFLOW - 75mm x 50mm
- = O/F (C) — OVERFLOW - 100mm x 50mm

MISCELLANEOUS

- SERVICE / SERVICE NUMBER / PIPE SIZE
- FOR CONTINUATION REFER DRG No
- 1 / DWG — FOR SECTION VIEW / REFER TO DRAWING

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MANLY

Title
STORMWATER DRAINAGE PLAN
SITE & STUDIO GROUND FLOOR PLAN

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Date **AUG 2024**	Drawing No. **SW(S4.55) 1.5** Revision **1**

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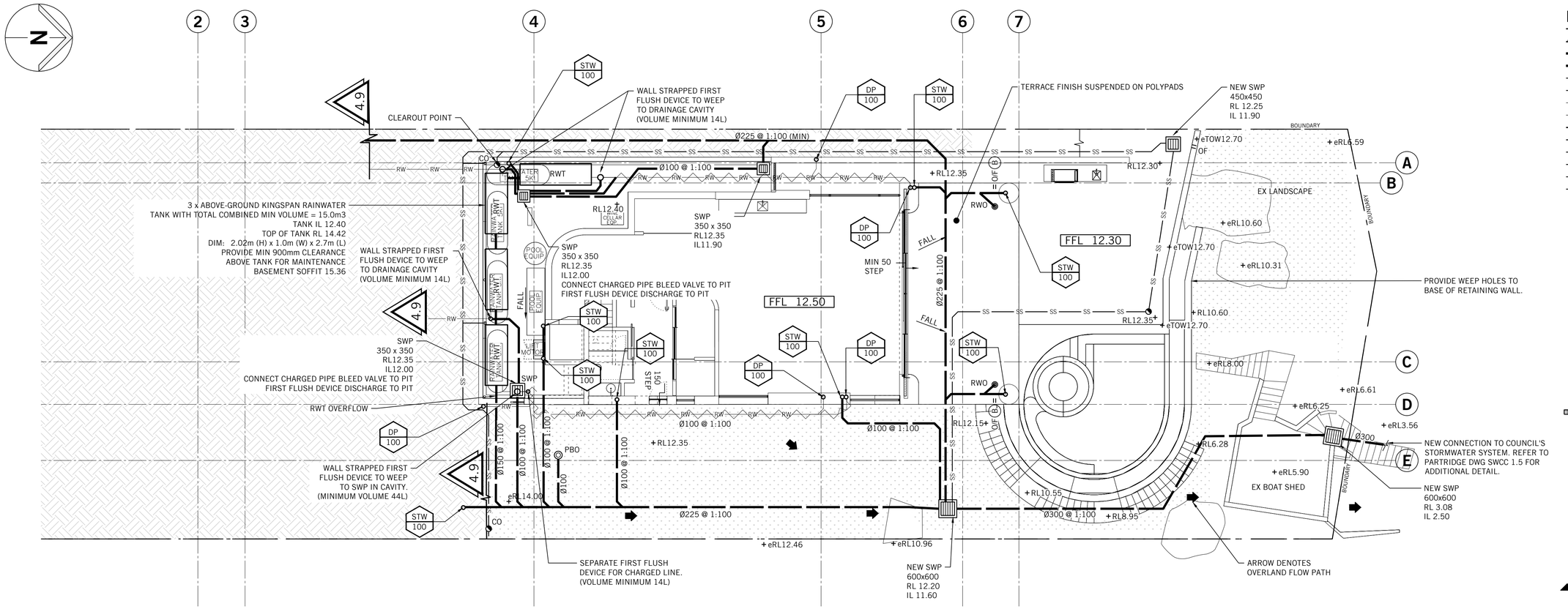

LEGEND

PIPEWORK

- RW — RAINWATER DRAINAGE
- RW — RAINWATER CHARGED
- STW — STORMWATER DRAINAGE
- STORMWATER RISING MAIN
- SS — SUBSOIL DRAINAGE
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- e — EXISTING PIPE
- e x e x — EXISTING PIPE MADE REDUNDANT
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- = O/F (A) — OVERFLOW - 150mm x 60mm
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MISCELLANEOUS

- -- / -- — SERVICE / SERVICE NUMBER, PIPE SIZE
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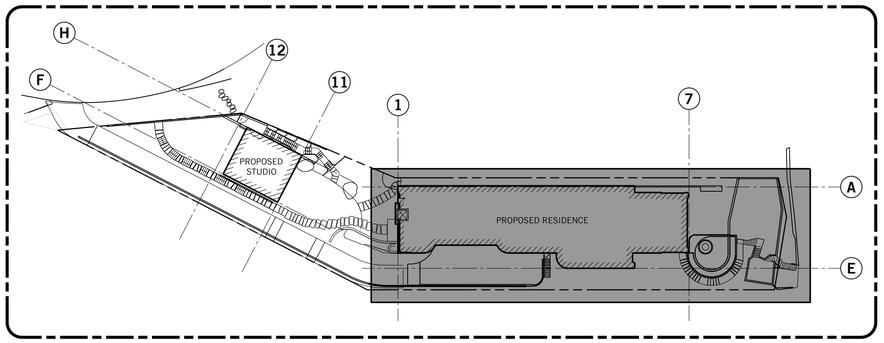
STORMWATER DRAINAGE PLAN - LEVEL 1

SCALE 1:100



KEY PLAN

SCALE 1:500

LEGEND

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MANLY

Title
STORMWATER DRAINAGE PLAN
LEVEL 1 BUILDING FLOOR PLAN

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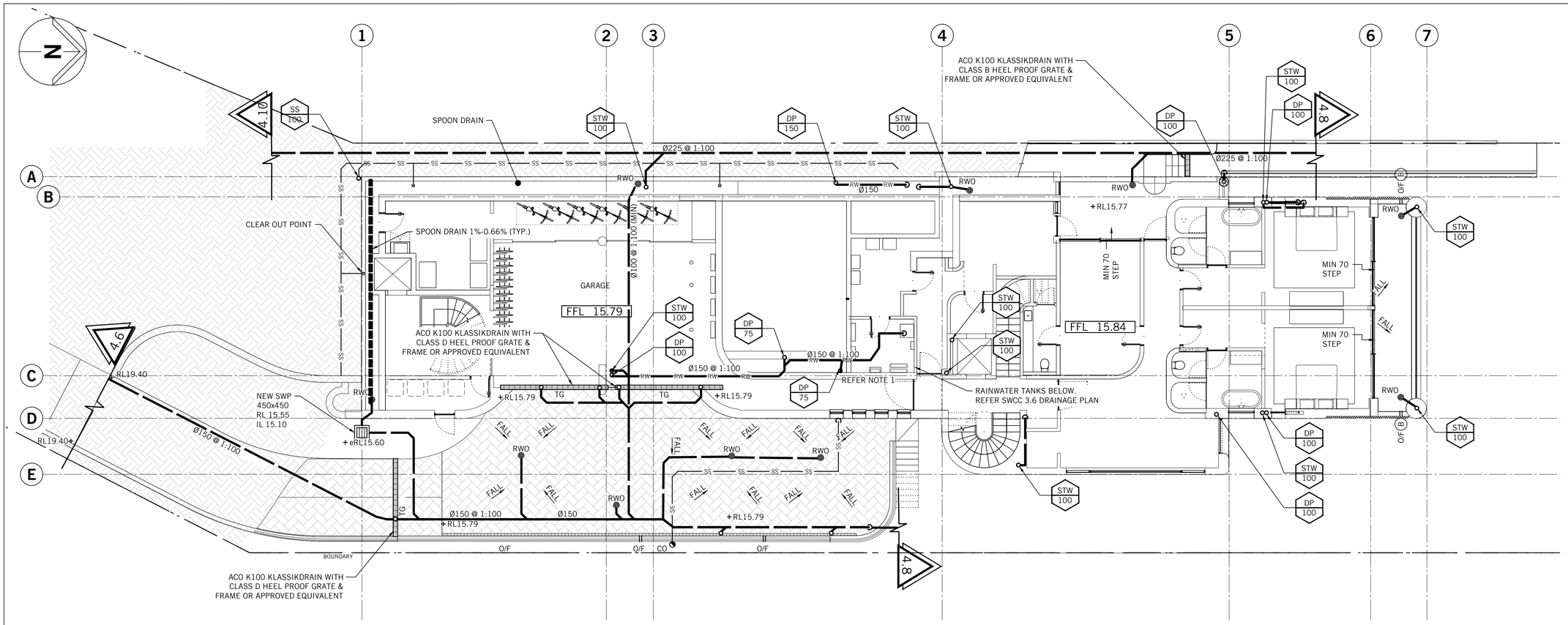

LEGEND

PIPEWORK

- RAINWATER DRAINAGE
- RAINWATER CHARGED
- STORMWATER DRAINAGE
- STORMWATER RISING MAIN
- SUBSOIL DRAINAGE
- BARRIER FENCE
- EXISTING PIPE
- EXISTING PIPE MADE REDUNDANT
- SEDIMENT FENCE LINE
- PROPERTY BOUNDARY
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- PUMP
- OVERLAND FLOW PATH
- CO — CLEAR OUT
- TD — TUNDISH
- TG — TRENCH GRATE
- DOWNPIPE SPREADER
- = O/F (A) — OVERFLOW - 150mm x 60mm
- = O/F (B) — OVERFLOW - 75mm x 50mm
- = O/F (C) — OVERFLOW - 100mm x 50mm

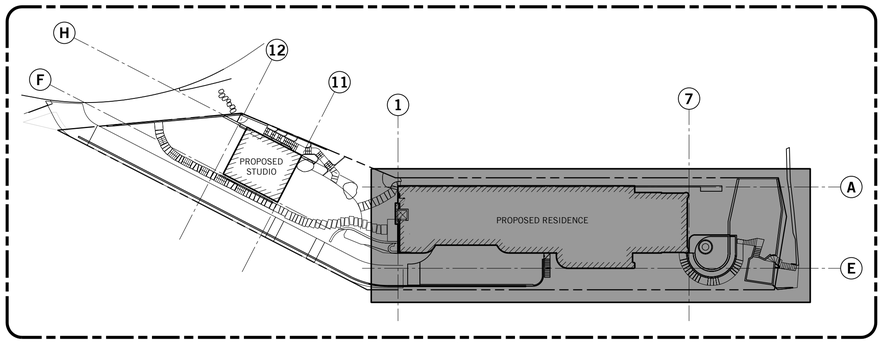
MISCELLANEOUS

- SERVICE / SERVICE NUMBER / PIPE SIZE
- FOR CONTINUATION REFER DRG No
- 1 / DWG — FOR SECTION VIEW / REFER TO DRAWING

STORMWATER DRAINAGE PLAN - LEVEL 2

SCALE 1:100

NOTE 1 : THE Ø225 CAN BE SPLIT INTO 2 x Ø150 @ 1:100 RUNNING PARALLEL (LINE COLLECTING STUDIO & WESTERN BRANCH WITH DOWN PIPES TO THE EAST SHALL NOT BE JOINED)



KEY PLAN

SCALE 1:500

LEGEND

— DENOTES AREA DETAILED ON THIS SHEET

Rev.	Issue / Amendment	By	App.	Date
A	CONSTRUCTION CERTIFICATE	ES	ES	19.06.24
1	ISSUED FOR S 4.55	ES	--	----

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Architect
EATON MOLINA ARCHITECTS

TEL

Project
ALTERATIONS AND ADDITIONS
32 BOWER STREET
MANLY

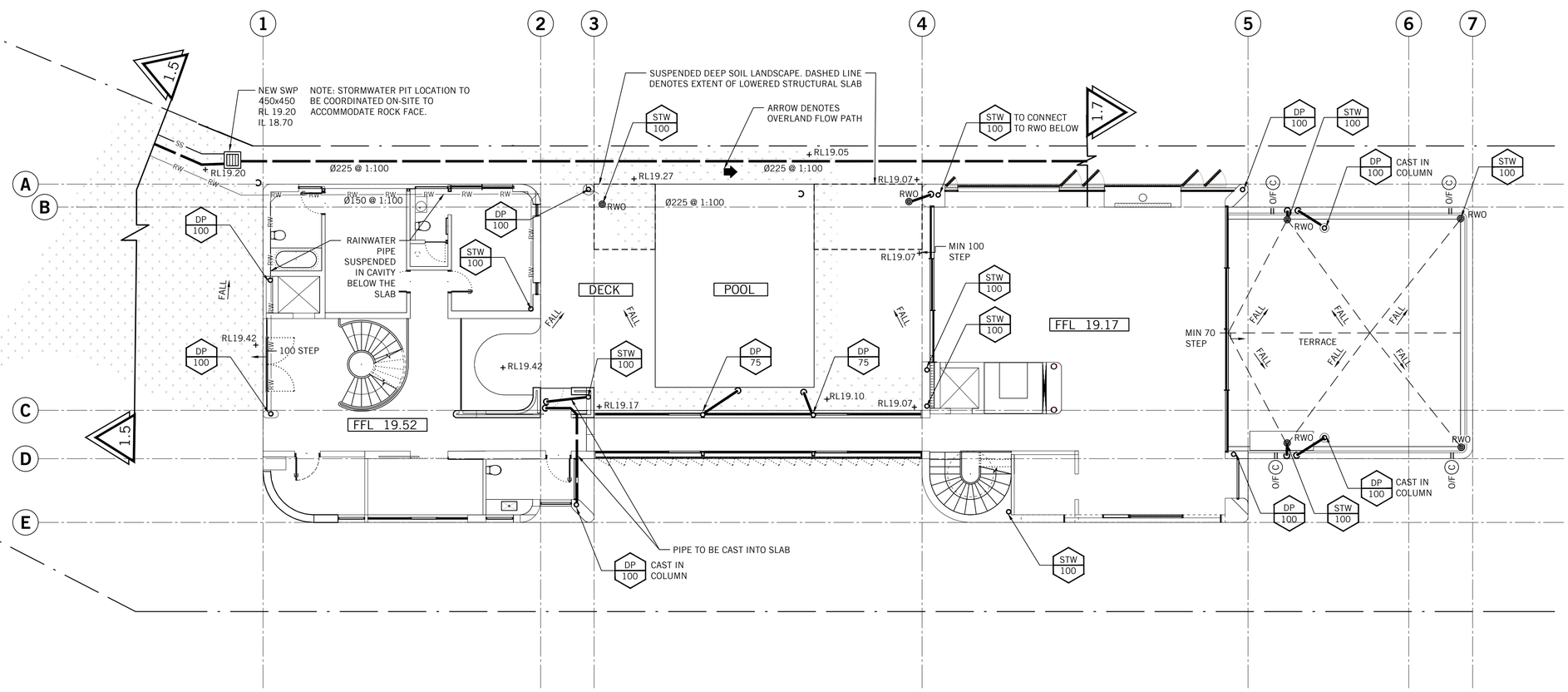
Title
STORMWATER DRAINAGE PLAN
LEVEL 2 BUILDING FLOOR PLAN

DO NOT SCALE: USE FIGURED DIMENSIONS

The presence of this signature signifies that this is the certified drawing issued for construction.

Designed	Drawn
E.S.	J.Z.
Job No.	Scale at A1
2023H0200	1:100
Date	Drawing No. / Revision
AUG 2024	SW(S4.55) 1.7 / 1

NOT FOR CONSTRUCTION



STORMWATER DRAINAGE PLAN - LEVEL 3

SCALE 1:100

LEGEND

PIPEWORK

- RAINWATER DRAINAGE
- RAINWATER CHARGED
- STORMWATER DRAINAGE
- STORMWATER RISING MAIN
- SUBSOIL DRAINAGE
- BARRIER FENCE
- EXISTING PIPE
- EXISTING PIPE MADE REDUNDANT
- SEDIMENT FENCE LINE
- PROPERTY BOUNDARY
- SWALE
- DROPPER
- RISER
- TURBIDITY BARRIER
- DIRECTION OF FALL OR FLOW
- DOWN PIPE
- PBO — PLANTER BOX OUTLET
- RWO/BO — RAIN WATER OUTLET / BALCONY OUTLET
- SWP — STORMWATER PIT (GRATE)
- SWP — STORMWATER PIT (RWO IN BASE)
- SEALED PIT COVER
- GULLY PIT
- REFLUX VALVE
- PIPE CONNECTION POINT
- PUMP
- OVERLAND FLOW PATH
- CO — CLEAR OUT
- TD — TUNDISH
- TG — TRENCH GRATE
- DOWNPIPE SPREADER
- = O/F (A) — OVERFLOW - 150mm x 60mm
- = O/F (B) — OVERFLOW - 75mm x 50mm
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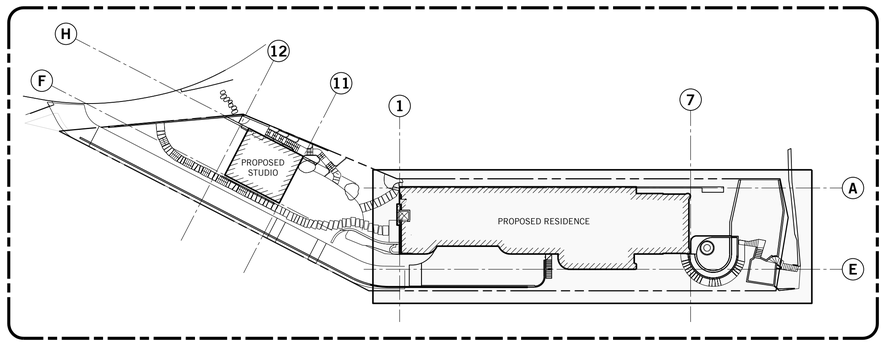
MISCELLANEOUS

- SERVICE / SERVICE NUMBER / PIPE SIZE
- FOR CONTINUATION REFER DRG No
- 1 / DWG — FOR SECTION VIEW / REFER TO DRAWING



KEY PLAN

SCALE 1:500

Rev.	Issue / Amendment	By	App.	Date
1	ISSUED FOR S 4.55	ES	ES	20.08.24

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ALTERATIONS AND ADDITIONS
32 BOWER STREET
MANLY

Title
STORMWATER DRAINAGE PLAN
LEVEL 3 BUILDING FLOOR PLAN

DO NOT SCALE: USE FIGURED DIMENSIONS

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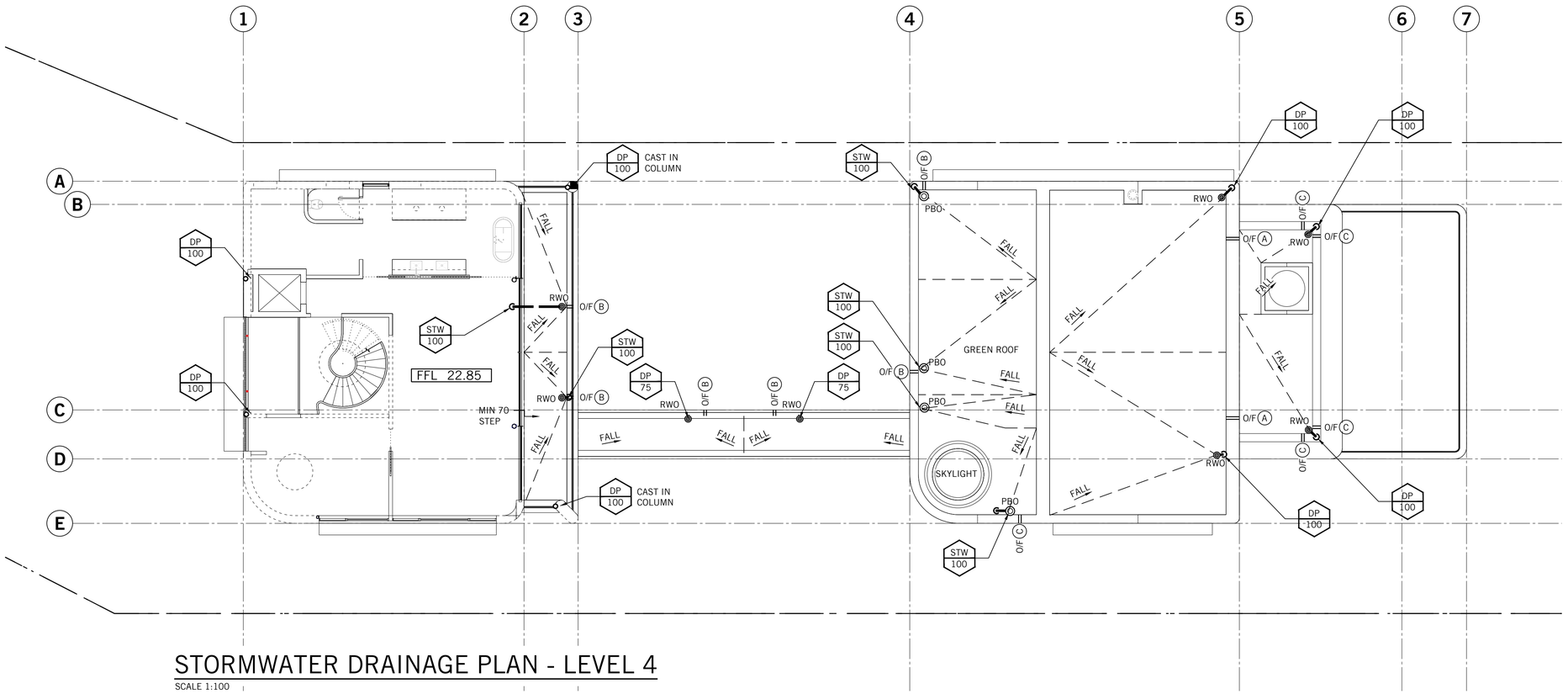
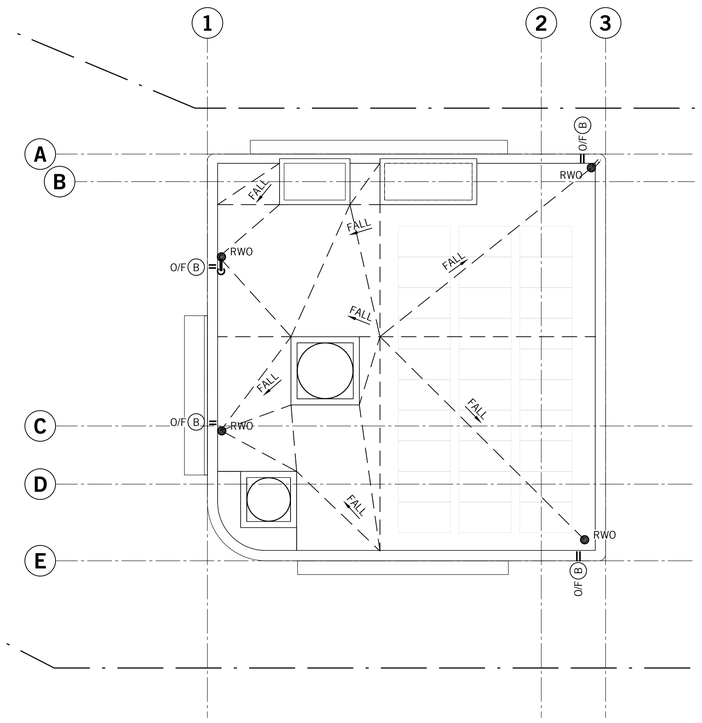
Designed	Drawn
E.S.	J.Z.
Job No.	Scale at A1
2023H0200	1:100
Date	Drawing No. / Revision
AUG 2024	SW(S4.55) 1.8 / 1

NOT FOR CONSTRUCTION



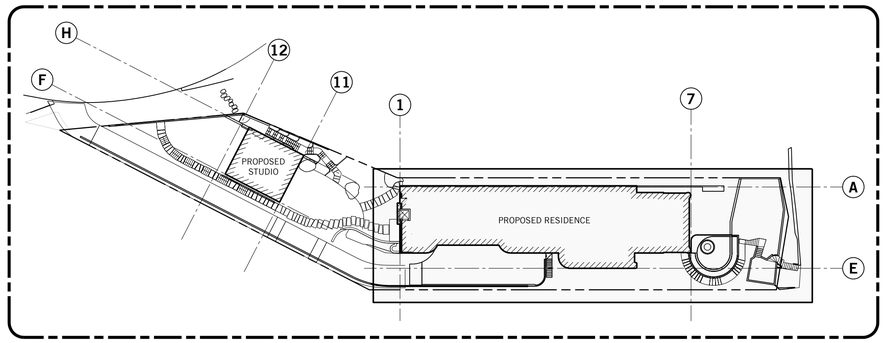
STORMWATER DRAINAGE PLAN - LEVEL 4

SCALE 1:100



STORMWATER DRAINAGE PLAN - ROOF LEVEL

SCALE 1:100



KEY PLAN

SCALE 1:500

LEGEND

— DENOTES AREA DETAILED ON THIS SHEET

LEGEND

PIPEWORK

- RAINWATER DRAINAGE
- RAINWATER CHARGED
- STORMWATER DRAINAGE
- STORMWATER RISING MAIN
- SUBSOIL DRAINAGE
- BARRIER FENCE
- EXISTING PIPE
- EXISTING PIPE MADE REDUNDANT
- SEDIMENT FENCE LINE
- PROPERTY BOUNDARY
- SWALE
- DROPPER
- RISER
- TURBIDITY BARRIER
- DIRECTION OF FALL OR FLOW
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- OVERLAND FLOW PATH
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- TD TUNDISH
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- DOWNPIPE SPREADER
- = O/F A OVERFLOW - 150mm x 60mm
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MISCELLANEOUS

- SERVICE / SERVICE NUMBER
- PIPE SIZE
- FOR CONTINUATION REFER DRG No
- 1 DWG FOR SECTION VIEW / REFER TO DRAWING

Rev.	Issue / Amendment	By	App.	Date
1	ISSUED FOR S 4.55	ES	--	----

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Project
ALTERATIONS AND ADDITIONS
32 BOWER STREET
MANLY

Title
STORMWATER DRAINAGE PLAN
LEVEL 4 & ROOF

DO NOT SCALE: USE FIGURED DIMENSIONS

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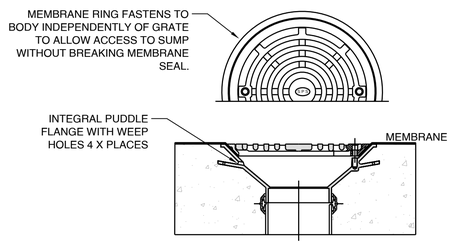
Designed **E.S.**	Drawn **J.Z.**
Job No. 2023H0200	Scale at A1 **1:100**
Date **AUG 2024**	Drawing No. **SW(S4.55) 1.9** Revision **1**

NOT FOR CONSTRUCTION

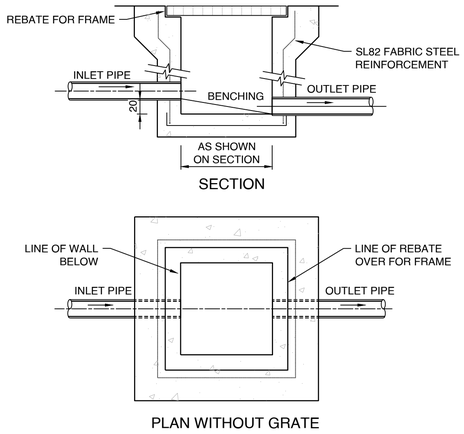
SPECIFICATION CODES:
TIA100F2 (CI BODY, ALUMINIUM FLAT GRATE & MEMBRANE RING)



SPS TRUFLO 100mm RWO WITH FLAT GRATE & MEMBRANE CLAMP

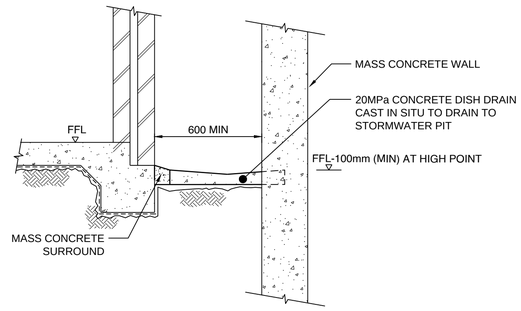
A

N.T.S
(SPS REF 1.03)



TYPICAL GRATED INLET PIT

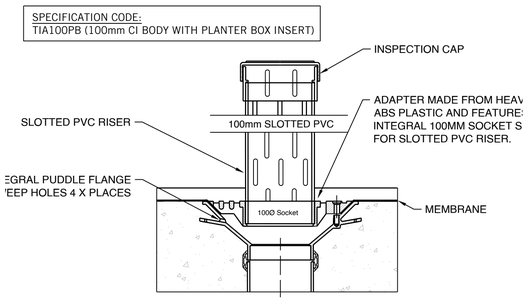
N.T.S



TYPICAL BASEMENT STRUCTURAL CAVITY DISH-DRAIN

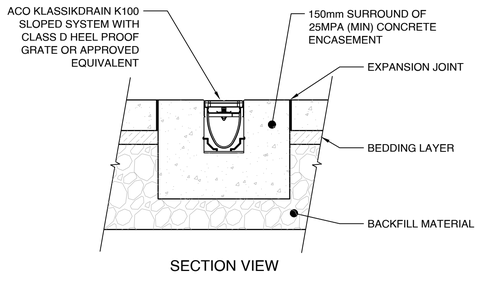
N.T.S

SPECIFICATION CODE:
TIA100PB (100mm CI BODY WITH PLANTER BOX INSERT)



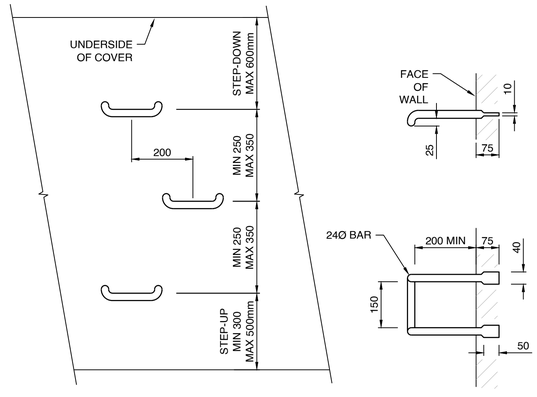
SPS TRUFLO 100mm & 150mm RWO WITH ALL-PURPOSE PLANTER BOX OUTLET

N.T.S SPS REFERENCE: 1.05



TRENCH GRATE (100mm WIDE) CLASS D

N.T.S



STEP IRONS

N.T.S

Rev.	Issue / Amendment	By	App.	Date
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32 BOWER STREET
MANLY

Title
DETAILS SHEET

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Designed	Drawn
E.S.	J.Z.
Job No.	Scale at A1
2023H0200	AS SHOWN
Date	Drawing No. / Revision
AUG 2024	SW(S4.55) 1.10 1

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